

ABSTRACT OF THE DISCLOSURE

An IP communications network system comprises a first QoS guaranteeing apparatus including a distinguishing unit for classifying target traffics in order to guarantee, based on a QoS guarantee protocol, a quality of a set of specified data packets accordant with a specified condition among data packets transmitted from a multiplicity of data communications terminals, an encapsulating unit for encapsulating the specified data packets defined as a QoS guarantee target on the basis of addresses of QoS guaranteeing apparatuses existing on the sides opposite to each other in a QoS guarantee target area in an IP packet switching network so that a set of the traffics appear as if being one session, and a resource reserving unit for reserving resources in accordance with the QoS guarantee protocol with respect to the set of encapsulated specified data packets. With this architecture, the QoS as to a delay, etc. can be guaranteed with respect to a set of burst data transmitted at random from a multiplicity of terminals by applying the RSVP as a standard of QoS guarantee protocol.